

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A composition consisting essentially of an isolated shrimp or prawn androgenic polypeptide capable of producing a sexually reproductive neomale shrimp or prawn wherein the androgenic polypeptide is derived from a member of the genus *Penaeus* or *Macrobrachium*.
2. (currently amended) A sexually reproductive neomale shrimp or prawn which does not contain transplanted androgenic gland tissue, wherein the neomale shrimp or prawn is formed from a shrimp or prawn treated with an androgenic polypeptide that is derived from a member of the genus *Penaeus* or *Macrobrachium*.
3. (currently amended) A method of producing a sexually reproductive neomale shrimp or prawn comprising:
treating a shrimp or prawn with a composition consisting essentially of an androgenic peptide polypeptide to produce a sexually reproductive neomale shrimp or prawn wherein the androgenic polypeptide is derived from a member of the genus *Penaeus* or *Macrobrachium*.
4. (original) The method of claim 3, wherein said treating comprises injecting.
5. (original) The method of claim 3, wherein said treating comprises contacting.
6. (currently amended) A method of producing a population of shrimp or prawns having a skewed percentage of females to males, comprising:
breeding a neomale shrimp or prawn which does not contain transplanted androgenic tissue with a corresponding female shrimp or prawn, whereby a population of shrimp or prawns having a skewed ratio percentage of females to males is produced.
7. (original) The method of claim 6, wherein said percentage of females is greater than about 80%.

Serial No.: 09/494,149
Filing Date: January 28, 2000

8. (original) The method of claim 6, wherein said percentage of females is greater than about 90%.

9. (original) The method of claim 6, wherein said percentage of females is 100%.

10-18. (canceled)

19. (new) The composition of claim 1, wherein the androgenic polypeptide is derived from *Penaeus vannamei* or *Macrobrachium rosenbergii*.

20. (new) The method of claim 3, wherein the androgenic polypeptide is derived from *Penaeus vannamei* or *Macrobrachium rosenbergii*.